May 1999

22603-BRE-0000-06000

(Rev. 1, July 23, 1999)

#### CHARACTERIZATION REPORT FORMER BREWSTER COMPRESSOR STATION STARK COUNTY, OHIO



Prepared for

COLUMBIA GAS TRANSMISSION CORPORATION
Environmental Affairs-Remediation
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Prepared by



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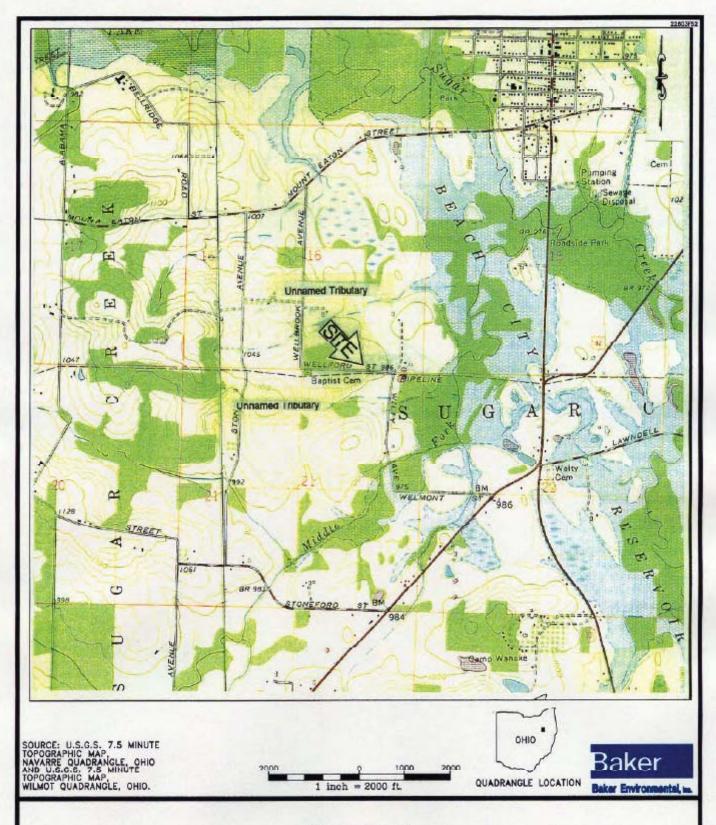


FIGURE 1-1 SITE LOCATION MAP FORMER BREWSTER COMPRESSOR STATION

COLUMBIA GAS TRANSMISSION CORPORATION STARK COUNTY, OHIO

2.0 ENVIRONMENTAL SETTING

2.1 **Physical Setting** 

The Former Brewster CS is surrounded by a 4-foot high wire farm fence and occupies slightly greater

than one quarter acre in area. A gravel base covers the CS within the fenced area and land

surrounding the CS is used for agriculture, pasture, and grazing. Topography at the CS is relatively

flat for the geographic area with a slight sloping to the northeast (i.e., southwest being topographically

up gradient and the northeast being topographically down gradient). The CS is at an elevation of

approximately 1,000 feet above mean sea level (msl) with the surrounding ridges generally less than

1,100 feet msl (Figure 1-1).

2.2 Climate

The geographic area of Ohio in which the site is located receives a mean annual precipitation of

approximately 33 inches, which is fairly well distributed throughout the year with Fall having the least

precipitation of the four seasons and late Winter/early Spring having the most precipitation. Prevailing

wind direction is from the south. Temperatures vary widely, with average lows during the winter

months reaching 20 degrees Fahrenheit to highs during the summer months reaching 83 degrees

Fahrenheit. (Soil Survey of Stark County, Ohio, 1971).

2.3 Surface Water Hydrology

The Former Brewster CS is located between two unnamed, intermittent tributaries of Middle Fork

Creek, which flows north into Sugar Creek (Figure 1-1). Both Middle Fork Creek and Sugar Creek

flow through the Beach City Reservoir. The two unnamed, intermittent tributaries flow east in parallel

with each other; one located approximately 1,400 feet north of the CS and the other located

approximately 800 feet south of the CS.

During characterization field activities, no obvious drainage ditches were observed at the Former

Brewster CS.

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2-1

#### 2.4 Geology and Soils

The Former Brewster CS is located within the unglaciated part of the Allegheny Plateau Physiographic Province (Figure 2-1). The bedrock in this region is sedimentary in origin and consists predominantly of the Pennsylvanian System/Allegheny and Pottsville Groups. Bedrock in the area consists mainly of shale, siltstone, and sandstone with nonbedded to massive bedding and thicknesses up to 600 feet (ODNR, 1997).

Soils in the area are just beyond the limits of glacial drift or till deposits. A silt loam is the predominant soil in the area. These soils typically are moderately well drained with moderate permeability in the upper subsoils to moderately slow permeability in the lower subsoil horizon. These soils have a perched water table during long wet periods. (Soil Survey of Stark County, Ohio, 1971).

#### 2.5 <u>Hydrogeology and Groundwater Quality</u>

In valley bottoms, useable quantities of groundwater are generally obtained from both shallow dug wells in unconsolidated deposits and/or wells installed into bedrock formations. In other topographic areas, wells completed in bedrock or springs are a source of potable water supplies.

The Groundwater Resources Map for Stark County, published in 1988 by the Ohio Department of Natural Resources, indicates that the Former Brewster CS is located in an area with well yields of 25 to 100 gallons per minute (gpm). The CS is located in an area of imbedded and interlensing sand, gravel, silt, and clay. Farm and small industrial supplies are available from wells ranging to 150 feet deep. Groundwater in the area is obtained from sandstones of the Pottsville Group within the Allegheny Plateau Physiographic Province. Principle aquifers are the Massillon Sandstone (upper) and the Sharon Conglomerate (lower). Wells will produce sustained yields of as much as 50 gpm. The Sharon Conglomerate is encountered between 150 feet to 300 feet bgs. With few exceptions, the bedrock is covered by no more than 75 feet of glacial material north of the CS, and less to the south where the CS is beyond the limits of glaciation. The principal source of groundwater recharge in the area is from precipitation.



#### FIGURE 2-1 SITE GEOLOGY FORMER BREWSTER COMPRESSOR STATION

COLUMBIA GAS TRANSMISSION CORPORATION STARK COUNTY, OHIO

Summary of Analytical Results Table 4-3

		PRA					10	
		PRA Description					PRA #10-BACKGROUND SAMPI	UND SAMPL
		Sample Type					Normal Sample	
		Sample Id	BRW-ASB016-70002		BRW-ASB016-70003		BRW-ASB018-70001	
		Depth - ft bgs	1.5 - 2.5		4 - 5		1-3	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	TOLUENE	16000	ND		QN		0.007	
	TETRACHLOROETHYLENE(PCE)	12	ND		ND		QN	
BNA	DIESEL		ND		QN		QN	
METAL	BARIUM, TOTAL	5500	46.5		61.4		69.1	
	CHROMIUM, TOTAL	230	15.2		16.7		10.6	
	LEAD, TOTAL	400	ND		ND		ND	
	NICKEL, TOTAL	1600	16.7		19.4		ON	
	ARSENIC, TOTAL	.43	17.6	X	15.9	X	10.6	X

\* "> CAL" equals "X" when reported value is above characterization action level for this locale.

J flag - Numerical value is an estimated quantity. ND indicates Non-Detect

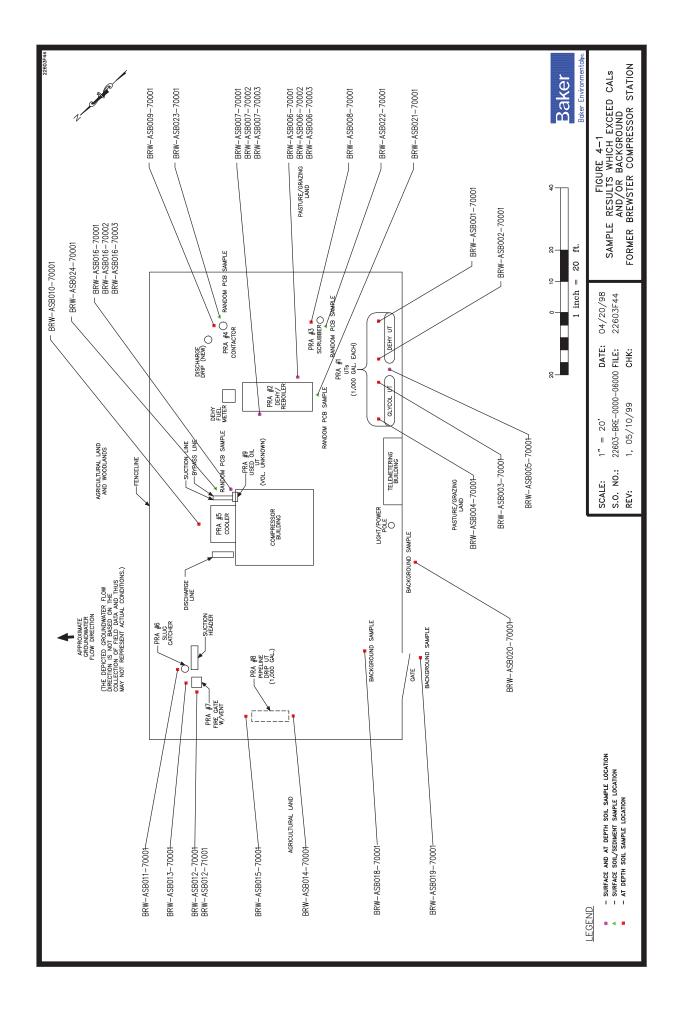
Blank cells in result column indicate an analysis was not performed for that analyte.

# BREWSTER COMPRESSOR STATION Characterization Work Plan Program Sites Page 8 of 10

Summary of Analytical Results Table 4-3

		PRA					11	
		PRA Description	ES				PRA #11-RANDOM PCB SAMPLE	PCB SAMPLI
		Sample Type					Normal Sample	
		Sample Id	BRW-ASB019-70001		BRW-ASB020-70001		BRW-ASB021-70001	
		Depth - ft bgs	1 - 3		1 - 3		65	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	TOLUENE	16000	QN		QN			
	TETRACHLOROETHYLENE(PCE)	12	0.009		QN			
BNA	DIESEL		ND		QN			
METAL	BARIUM, TOTAL	5500	69.5		48.7			
	CHROMIUM, TOTAL	230	17.7		13.1			
	LEAD, TOTAL	400	ND		QN			
	NICKEL, TOTAL	1600	14.6		19.3			
	ARSENIC, TOTAL	.43	10.0	X	16.7	×		

<sup>\* &</sup>quot;> CAL" equals "X" when reported value is above characterization action level for this locale. J flag - Numerical value is an estimated quantity. ND indicates Non-Detect Blank cells in result column indicate an analysis was not performed for that analyte.



4.3.1 **Background Sampling Results** 

One background soil sample was collected from 1 to 3 feet bgs at three locations believed to not be

affected by operations of the compressor station (Figure 4-1). These three samples were located both

inside and outside the gate entrance near the northwest corner of the CS. All three of these samples

were analyzed for Table 1 (CWP) constituents.

For all three background samples (BRW-ASB018-70001, BRW-ASB019-70001, and BRW-ASB020-

70001), there was no detection of SVOCs, or PCBs. However, laboratory analytical results indicated

the presence of very low levels of toluene [7 micrograms per kilogram (ug/kg)] and tetrachloroethene

(9 ug/kg) in background samples BRW-ASB018-70001 and BRW-ASB019-70001, respectively. In

addition, laboratory analytical results indicated the presence of various metals at low concentrations

below CALs in all three background samples, with the exception of arsenic. Arsenic was detected

above CALs in all three background samples with concentrations of 10.6 mg/kg, 10.0 mg/kg, and 16.7

mg/kg, respectively. These values are presented within Table 4-2.

Because all three of the background borings are believed to be in locations not affected by CS

operations, it is believed that the metal concentrations observed in the three background samples are

indigenous to soils in the area, and thus, are not representative of a release from the compressor station

operations.

As provided in the CWP (June 1996), the highest concentration of a constituent detected in the

background samples or the value calculated in Appendix G is used to establish the background

concentration for this constituent at the CS. The calculated background value for arsenic (CBVA) is

24.87 mg/kg, as presented in Appendix G. This value is used to evaluate the results of the remaining

PRAs.

4.3.2 **Random PCBs Sampling Results** 

One random PCB soil sample was collected from 0 to 6 inches bgs at four locations within the limits

of compressor station operations. These four samples (BRW-ASB021-70001, BRW-ASB022-70001,

BRW-ASB023-70001, and BRW-ASB024-70001) were collected at random locations to act as a

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4-3

## Bal(Cal)

DRILLER:

#### **TEST BORING RECORD**

BORING NO.: PRA1-Boring A

PROJECT:	Site (	Character	ization at	Columbia	Gas '	<b>Fransmiss</b>	ion - Former Br	ewster Co	ompresso	or Station	
SO NO.:		3-BRE		1140		BORING			Boring A		
COORDINAT	ES: EAS	Γ:		WC (AC)		NORTH:		Maria de la companya della companya	- Alexandra		
ELEVATION:	SURI	FACE:				TOP OF	PVC CASING:				
Rig: Geop	robe				Т		l	7			Depth to
	MC	Casing	Augers	Core	1	Date	Progress	-	Weath	er	Water
	Liners			Barrel			(Ft.)				(Ft.)
Size (ID)	1-5/8" I.D.				5/2	21/97	0.0 - 10.0				
Length	4.0 feet			-	$\top$						
Туре					Т						
Hammer Wt.											
Fall		3							F) 2 11-11-11-11		7,547,550
Remarks: Gl	ycol and D	ehy UTs (	BTEX, T	PH, Glycol	)						
	SAN	MPLE TY	YPE	-			WELL	INFOR	MATIO	N	
	S = Split									Top	Bottom
	T = Shelb						Type		Diam.	Depth	Depth
	R = Air F		C = Core							(Ft.)	(Ft.)
	D = Deni		P = Piston	*							
		No Sam	ple								
	Sample	Sample		PID		100	2. (0.000) 6 0		200 1005	ell ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		V	isual Descriptio	n		llation	(Ft. MSL)
	No.	(Ft.,%)							De	tail	
1								_		_	
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2	N							-		_	
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8 8.0								8.0'		_	
9	S-1		DD	0.0			LAY; trace grav	el; –		_	
°-	2-1	Ì	BRW-	0.0	1	brown; dr	У	-		_	
10 10.0			ASB001- 70001		1			10.0'		-	
10.0			70001		-	Bottom of	Boring at 10'	10.0		_	75
	. 35 5	=						(1)			
DRILLING CO	).: Subsu	rface, Inc					BAKER REP.:	(b) (4)			

#### Brajk(e.) Baker Environmental

SO NO.:		3-BRE	izauon at	Columbia		ISSION - FORMER BY		Ompresso Boring B		1
COORDINAT				12-17-18	NORT			2011.82		
ELEVATION		FACE:				F PVC CASING:				
Rig: Geop	MC Liners	Casing	Augers	Core Barre	Date	Progress (Ft.)		Weath	er	Depth to Water (Ft.)
Size (ID)	1-5/8" I.D.			-	5/21/97	0.0 - 10.0				-
Length	4.0 feet			-						
Туре										
Hammer Wt.										
Fall Remarks: Gl	rool and D	oby ITTo	DTEV T	DII Chua	<u></u>					
Kemarks. Gi	ycor and D	eny UTS (	DIEA, II	PH, Glyco	1)					
	SAN	MPLE TY	PE			WELI	INFOR	MATIO	N	
ĺ			= Auger						Top	Bottom
	T = Shelb					Type		Diam.	Depth	Depth
	R = Air F		C = Core						(Ft.)	(Ft.)
	D = Deni		P = Piston							
	Sample	No Sam Sample	pie	PID		Y 17 192-21	77	77	/ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		Visual Descriptio	m		llation	(Ft. MSL)
Doptar (r.t.)	No.	(Ft.,%)	Lao ID	(ppin)		Visual Description	11	100000000000000000000000000000000000000	etail	(I-L. MSL)
1	N									
8 = 8.0 9 = 10 = 10.0	S-1		BRW- ASB002- 70001	0.0	brown;	CLAY; trace grav dry of Boring at 10'	10.0'			
DRILLING CO DRILLER:	).: Subsu (b) (4)	rface, Inc				BAKER REP.: BORING NO.:	(b) (4) PRA1-Bo	oring B	SHEE	T 1 OF 1

## Baker Environm<u>ental</u>

DRILLER:

#### TEST BORING RECORD

SHEET 1 OF 1

BORING NO.: PRAI-Boring C

PROJECT:	Site	Character	ization at	Columbia	Gas T	ransmiss	ion - Former Br	ewster Co	ompresso	or Station	Ĺ
SO NO.:		3-BRE				BORING			Boring C		
COORDINAT	ES: EAS'	T:				NORTH:	1				
ELEVATION:	SUR	FACE:				TOP OF	PVC CASING:				
Rig: Geop	MC	Casing	Augers	Core	-	Date	Progress		Weath	er	Depth to Water
	Liners			Barrel	_		(Ft.)				(Ft.)
Size (ID)	1-5/8" I.D.				5/2	1/97	0.0 - 10.0				
Length	4.0 feet										
Туре										0111-57-67-575	
Hammer Wt.						_0					
Fall											
Remarks: Gly	ycol and D	ehy UTs (	BTEX, TI	PH, Glycol	1)						
	SAI	MPLE TY	YPE		T		WELL	INFOR	MATIO	N	
	S = Split	Spoon A	A = Auger		1					Top	Bottom
l,	T = Shelb	y Tube V	V = Wash		- 1		Type		Diam.	Depth	Depth
	R = Air I		C = Core				10.000			(Ft.)	(Ft.)
	D = Deni	son F	P = Piston		[						
	N =	= No Sam	ple		[	1,0	31 - 11 - 13				
1000	Sample	Sample		PID					W	ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)	- 1	V	isual Descriptio	n	Insta	llation	(Ft. MSL)
	No.	(Ft.,%)							De	tail	
							5-M6				(32) (6)
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8 8.0					-			8.0'		_	
							LAY; trace grav	el; _		_	
9 🗍	S-1		BRW-	0.0	P	brown; di	ry			_	
ا ا			ASB003-		- 1			_		_	
10 10.0			70001					10.0'		_	
					]	Bottom of	f Boring at 10'				
DRII I ING CC	· Suben	rface Inc					DAVED DED	(b) (4)			

DRILLER:

#### **TEST BORING RECORD**

BORING NO.: PRA1-Boring D SHEET 1 OF 1

PROJECT:			ization at	Columbi	a Gas		ion - Former Br				9
SO NO.: COORDINAT		3-BRE				BORING		PRA1-	Boring D		
ELEVATION:		FACE:				NORTH:	PVC CASING:		-		
	72	ACE.			9	TOFOF	FVC CASING.				
Rig: Geop	robe MC	Casing	Augers	Core		Date	Progress		Weath	er	Depth to Water
	Liners			Barre	el		(Ft.)				(Ft.)
Size (ID)	1-5/8" I.D.				5/2	21/97	0.0 - 10.0		2.00		
Length	4.0 feet		-				108 //				
Туре							3 3 3 3 3 3 3	3 10 3010	=======================================	2000 - 100	
Hammer Wt.											
Fall											
Remarks: Gly	ycol and D	ehy UTs (	(BTEX, TI	PH, Glyc	ol)			J200 14 ST-0012			
	SAN	MPLE T	YPE				WELL	INFOR	MATIO	N	
			A = Auger							Top	Bottom
			W = Wash				Type		Diam.	Depth	Depth
	R = Air I		C = Core				PG259			(Ft.)	(Ft.)
	D = Deni		P = Piston								
		No Sam	A								
D (1 (7))	Sample	Sample		PID				Ĭ		ell .	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		V	isual Descriptio	n	101111111111111111111111111111111111111	llation	(Ft. MSL)
	No.	(Ft.,%)							De	tail	
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8 - 8.0								8.0'		_	
						SILTY CI	LAY; trace grav			-	
9 ]	S-1		BRW-	0.0		brown; dr	y				
] ]			ASB004-								
10 10.0			70001					10.0'			
							Boring at 10'				
DRILLING CO	).: Subsu	rface. Inc	).				BAKER REP.:	(b) (4)			

PROJECT:	Site	Character	ization at	Columbia	Gas	Transmis	sion - Former B	rewster Co	ompresso	or Station	
SO NO.:		3-BRE				BORING			Boring E		100
COORDINAT	ES: EAS	T:	William E.	it		NORTH	:		35500		
ELEVATION	: SUR	FACE:				TOP OF	PVC CASING:				
Rig: Georg	orobe		7/4 5			7.000.0	1				Depth to
g	MC	Casing	Augers	Core		Date	Progress		Weath	er	Water
ľ	Liners			Barre		2410	(Ft.)	1	· · · · · · · · · · · · · · · · · · ·		(Ft.)
Size (ID)	1-5/8" I.D.				_	21/97	0.0 - 10.0				
Length	4.0 feet		-	-						A 200	
Туре						N. P. C.					
Hammer Wt.			-	-							
Fall											
Remarks: Gl	ycol and D	ehy UTs (	BTEX, TI	PH, Glyco	ol) (Fi	ll Port)					
	SAN	MPLE TY	/PE				WELL	INFOR	MATIO	N	
			= Auger				WEEL	LIFOR		Тор	Bottom
			V = Wash	r.			Type		Diam.	Depth	Depth
ļ	R = Air I	Rotary	C = Core				31			(Ft.)	(Ft.)
	D = Deni		P = Piston		*						
		No Sam	ple								4114 (G1 TO C4)
	Sample	Sample		PID						/ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		,	Visual Description	on	10 Sept. 10 Sept. 10 H	llation	(Ft. MSL)
	No.	(Ft.,%)		-	8 120				De	tail	
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						SILTY C	LAY; trace grav	rel;		1030	
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						Bottom o	f Boring at 10'	(1) (4)	<u> </u>		
DRILLING CO		rface, Inc					BAKER REP.:	(b) (4)		<u> </u>	
DRILLER:	(b) (4)						BORING NO.:	PRAI-Bo	oring E	SHEE	T10F1

PROJECT:	-		ization at	Columbia		sion - Former Bre				<u> </u>
SO NO.:		603-BRE			BORING		PRA2-	Boring A		
COORDIN		ST:			NORTH					
ELEVATION	ON: SU	RFACE:			TOP OF	PVC CASING:				
Rig: G	eoprobe			-						Depth to
	MC	Casing	Augers	Core	Date	Progress		Weath	er	Water
	Liner	- Contraction -		Barrel		(Ft.)	1			(Ft.)
Size (ID)	1-5/8" I.				5/21/97	0.0 - 5.0		2000		
Length	4.0 fee	t		-						
Туре										
Hammer V				-	<b></b>		-			
Fall										
Remarks:	Reboiler/De	ehy								
		1 3 600 Y 70 M	· · ·				ninon			
		AMPLE T				WELL	INFOR	MATIO		[ D.m
		it Spoon A				Tema		Diem	Top	Bottom
			C = Core		ľ	Type		Diam.	Depth	Depth
	D = De		P = Piston						(Ft.)	(Ft.)
		N = No San					-			
	Sample			PID				W	/ell	Elevation
Depth (Ft			Lab ID	(ppm)	1	Visual Description	n	0.00	llation	(Ft. MSL)
- ·P (- ·	No.	(Ft.,%)		(PP)			•	2000	etail	(
	S-1		BRW-ASB	0.0	SILTY C	CLAY, trace grav	el;	T		<b> </b>
1 1	.0		006-70001		brown	!	_		· ·	1
1	.5 N						-		_	1
2	S-2		BRW-ASB	0.0		*	-		_	1
	.5		006-70002						-	1
3									100011	
_	N									
4 4	.0								_	
_	S-3		BRW-ASB	0.0					_	
55	.0		006-70003				5.0		_	
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DRILLING	(b) (	surface, In	0			BAKER REP.:	(b) (4)		Crime	T I OF C
DRILLER:	(D) (	+)				BORING NO.:	PRA2-B	oring A	SHEE	T 1 OF 2

PROJECT	7:	Site (	Character	ization at	Columbia	Gas	Transmis	sion - Former Bre	ewster Co	mpresso	or Station	ı
SO NO.:			3-BRE	27.5%			BORIN			Boring B		
COORDI	TAN	ES: EAS	Γ:				NORTH	I:				
ELEVAT	ION:	SURI	FACE:				TOP OF	F PVC CASING:				
Rig:	Geop	MC	Casing	Augers	Core		Date	Progress		Weath	er	Depth to Water
G! GTP)		Liners			Barrel			(Ft.)				(Ft.)
Size (ID)		1-5/8" I.D.		-		5/2	21/97	0.0 - 5.0	-			-
Length		4.0 feet				-					-	
Type						_						
Hammer	Wt.		-			_						
Fall												1
Remarks	Re	boiler/Deh	y									
		SAN	IPLE TY	YPE				WELL	INFOR	MATIO	N	
		S = Split							m21423		Top	Bottom
		T = Shelb		V = Wash			1	Type		Diam.	Depth	Depth
		R = Air F		C = Core				1827			(Ft.)	(Ft.)
Í		D = Deni	son F	P = Piston								
		N=	No Sam	ple								
		Sample	Sample		PID					W	/ell	Elevation
Depth (F	t.)	Type &	Rec.	Lab ID	(ppm)			Visual Description	n	Insta	llation	(Ft. MSL)
		No.	(Ft.,%)	- 445				_		De	tail	
		S-1		BRW-ASB	0.0		SILTY	CLAY, trace grav	el;			
1	1.0			007-70001			brown	945) 94500			_	
	1.5	N									200	
2		S-2		BRW-ASB	0.0						-	i .
	2.5			007-70002								1
3 _			ran-ti-toon								_	
	- 1	N									-	1
4	4.0	1										
		S-3		BRW-ASB	0.0							
5 ]	5.0			007-70003					5.0		_	
							Bottom	of Boring at 5.0'	975			
6												
	- 1		1							111	-	
7 _												
											-	
8 _										111		85
			1					M				
9	- 1											
			İ	i						$\parallel \parallel \parallel$		55
10 —									$\exists$		_	
DRILLING	÷ CO	· Subou	rface, Inc				-	BAKER REP.:	(b) (4)	1_1_1		
DRILLER:		(b) (4)		•				BORING NO.:		i D	CLIER	T 1 OF 2
		, , ,		_				DOMING NO.:	PRA2-Bo	ring B	SHEE	IIOF 2

DRILLER:

#### **TEST BORING RECORD**

SHEET 1 OF 2

BORING NO .: PRA3-Boring A

PROJECT:			ization at	Columbia	a Gas		ion - Former Bre	wster Co	mpresso	or Station	
SO NO.:		3-BRE				BORING		PRA3-	Boring A		
COORDINAT						NORTH:					
ELEVATION:	SURI	FACE:				TOP OF	PVC CASING:				
Rig: Geop	mC MC	Casing	Augers	Core		Date	Progress		Weath	er	Depth to Water
	Liners			Barre	_		(Ft.)		11:40		(Ft.)
Size (ID)	1-5/8" I.D.				5/2	21/97	0.0 - 5.0				-
Length	4.0 feet				٠.						
Туре			-		$\perp$	1					
Hammer Wt.			-		_			-			
Fall											
Remarks: (B'	84 8							11			
1 00		MPLE T			11 181		WELL	INFOR	MATIO	N	5 VEC
	S = Split					5-7	2000 - 100 -			Тор	Bottom
	T = Shelb						Type		Diam.	Depth	Depth
	R = Air F		C = Core				***************************************			(Ft.)	(Ft.)
	D = Denis		P = Piston					(4)			
		No Sam	ple								
D. d. (Ex)	Sample	Sample	7 1 75	PID						ell .	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		V	isual Description	1	F .	llation	(Ft. MSL)
	No.	(Ft.,%)							De	tail	
,								_		_	
1 -	8									_	
	N							-		-	
	N							8		-	
3 -								-		<del>9=</del>	
	25							-			
4 4.0								4.0		-	
7 - 4.0	S-1		BRW-ASB	0.0		פוו דע כיו	LAY, trace grave				
5 7 5.0	5-1	l	008-70001	0.0		brown	CAT, Hace grave	5.0		-	
J 7 3.0			008-70001	-			Boring at 5.0'	3.0		-	
6					1	Dottom of	Doing at 5.0	-		=	
								-			
7								-		-	
								_			
8											
					9					57.	
9 📗					.,						
_						4/5		_		_	
10								_		-	
			<b>9</b> 1				1000	(b) (4)			
DRILLING CO	).: Subsu	rface, Inc	<u>).                                    </u>				BAKER REP.:	(b) (4)		246 2 2 2	

SO NO.:		3-BRE	ization at	Columbia	BORING	Sion - Former Bre		Ompressor		1
COORDINAT	-				NORTH		FRA4-	Boring A		
ELEVATION		FACE:				PVC CASING:				
Rig: Geo	MC MC	Casing	Augers	Core	Date	Progress		Weath	er	Depth to Water
G: CTD)	Liners			Barrel	F /04 /07	(Ft.)	-			(Ft.)
Size (ID)	1-5/8" I.D.			-	5/21/97	0.0 - 5.0				
Length	4.0 feet			-			-			
Type Hammer Wt.							-			
Fall					<del> </del>		+			
Remarks: (B	TEX, TPH.								-	
		MPLE T				WELL	INFOR	MATIO		
	S = Split					- <u></u> -			Top	Bottom
**	T = Shelb				1	Type		Diam.	Depth	Depth
	R = Air F D = Denis		C = Core P = Piston						(Ft.)	(Ft.)
		No Sam						-		
	Sample	Sample	pic	PID				V	/ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)	,	Visual Description	n		llation	(Ft. MSL)
1 - 1 - ( - )	No.	(Ft.,%)		(FF)		, = occupied		460.000	tail	(1 (. 11102)
1	N S-1		BRW-ASB 009-70001	0.0	brown	CLAY, trace grave of Boring at 5.0'	4.0 4.0 5.0			
DRILLING CO	D.: Subsu (b) (4)	rface, Inc	;,			BAKER REP.:	(b) (4)		Craw	T107.5
DIULLEK.	(-)(-)					BORING NO.:	PRA4-Bo	oring A	SHEE	T 1 OF 2

DRILLER:

#### **TEST BORING RECORD**

BORING NO.: PRAS-Boring A

PROJECT:			ization at	Columbia (	Gas'		ion - Former Br	ewster Co	ompresso	or Station	
SO NO.:		3-BRE		- 08		BORING	NO.:	PRA5-	Boring A		
COORDINAT						NORTH		head to the same			
ELEVATION:	SURI	FACE:				TOP OF	PVC CASING:				
Rig: Geop	MC	Casing	Augers	Core	T	Date	Progress		Weath	er	Depth to Water
	Liners			Barrel	L		(Ft.)		_		(Ft.)
Size (ID)	1-5/8" I.D.			-	5/2	21/97	0.0 - 5.0			**************************************	
Length	4.0 feet		-				3200 32.51394.50				
Туре			-								
Hammer Wt.											
Fall							L			2.	
Remarks: (B'	TEX, TPH,	PCB)									
	SAN	MPLE TY	YPE			ľ	WELI	INFOR	MATIO	N	
	S = Split									Top	Bottom
	T = Shelb						Type		Diam.	Depth	Depth
	R = Air F		C = Core				31			(Ft.)	(Ft.)
	D = Denis		P = Piston							(= 1.7)	(2.0)
	N =	No Sam	ple								
	Sample	Sample		PID	- 5		3.78	3,5 0	W	ell ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		V	isual Descriptio	n	200	llation	(Ft. MSL)
	No.	(Ft.,%)	S h				A.S.			tail	ì í
			0								
1				. 1				140,000	1		
J									1		
2	N							3		-	
								_	1111		
3								-	1	_	
					9			-	1   1	3.5	
4 7 4.0			i i					$4.\overline{0}$	1   1	-	
	S-1		BRW-ASB	0.0		SILTY C	LAY, trace grav				
5 5.0			010-70001			brown		5.0	1	1	
						Bottom o	f Boring at 5.0'	tu—		-	
6			0							1000	
I								_		_	(c
7 -			,					_		_	
8 _								_			
9 -								_		-	
										_	
10										_	
DRILLING CO	).: Subsu	rface. Inc		1		7,000	BAKER REP	(b) (4)			

DRILLER:

#### **TEST BORING RECORD**

SHEET 1 OF 2

BORING NO.: PRA6-Boring A

PROJECT:			ization at	Columbia	Gas		ion - Former Brev	wster Co	mpresso	or Station		
SO NO.:		3-BRE				BORING NO.: PRA6-Boring A						
COORDINAT						NORTH:						
ELEVATION:	SURI	FACE:				TOP OF	PVC CASING:					
Rig: Geop	robe				Т			T		**	Depth to	
	MC	Casing	Augers	Core	7	Date	Progress		Weath	er	Water	
	Liners			Barre	co o		(Ft.)				(Ft.)	
Size (ID)	1-5/8" I.D.					21/97	0.0 - 5.0	1				
Length	4.0 feet											
Туре					$\top$		( <del>1 − 0 − 0 − 0 − 0 − 0 − 0 − 0 − 0 − 0 − </del>	1	9 (10.7)			
Hammer Wt.				-	$\neg$							
Fall					$\top$							
Remarks: (B'	TEX, TPH	PCB)			field.							
	617	ATO Y YOU	-									
		IPLE T	A = Auger				WELL	NFOR	MATIO		T D	
	T = Shelb						Trus		Diam	Top	Bottom	
	R = Air F		C = Core				Type		Diam.	Depth	Depth	
	D = Denis		P = Piston	i i						(Ft.)	(Ft.)	
		No Sam					3000					
, ,	Sample	Sample	710	PID	_				W	/ell	Elevation	
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		l v	isual Description			llation	(Ft. MSL)	
	No.	(Ft.,%)	50,000,000,000	41					Section of Difference	etail	(2 1. 11.02)	
							311103/4-31					
1								_				
			l y									
2	N							ŝ <del>.−</del> .		, T	1	
	~~~					,		_				
3 ]											**	
						8		-				
4 4.0	-200							4.0				
4 1	S-1		BRW-ASB	0.0	, and the second	SILTY CI	LAY, trace grave					
5 5.0			011-70001			brown		5.0				
			3			Bottom of	Boring at 5.0'					
6						J.		_		_		
7		1						-		_		
							ta			_		
8 —								-		-		
9 ]										_		
10								-		_		
						1/4		-				
DRILLING CO	).: Subsu	rface, Inc				8	BAKER REP.:	(b) (4)				

DRILLER:

#### TEST BORING RECORD

BORING NO.: PRA7-Boring A

PROJECT:	Site (	Character	ization at	Columbia	Gas '	<b>Fransmiss</b>	ion - Former Bre	wster Co	ompresso	or Station	ı
SO NO.:		3-BRE			5,000	BORING NO.: PRA7-Boring A					
COORDINAT						NORTH					
ELEVATION	: SURI	FACE:				TOP OF	PVC CASING:				
Rig: Geop	probe						T	T	-		Depth to
	MC	Casing	Augers	Core		Date	Progress	1	Weath	er	Water
	Liners			Barrel			(Ft.)				(Ft.)
Size (ID)	1-5/8" I.D.				5/2	21/97	0.0 - 5.0				
Length	4.0 feet			-							
Туре				-							
Hammer Wt.					-						
	TIETA (TIETA										
Remarks: (B'	IEX, IPH,	PCB)									
	SAN	IPLE TY	PE				WELL	NFOR	MATIO	N	-
1	S = Split									Top	Bottom
	T = Shelb	y Tube V			Type		Diam.	Depth	Depth		
	R = Air F		C = Core			(Ft.)					(Ft.)
	D = Denis		P = Piston								
		No Sam	ple								
	Sample	Sample		PID					V	/ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID		V	isual Description		320000000000000000000000000000000000000	llation	(Ft. MSL	
	No.	(Ft.,%)							De	tail	
							1	_		_	
				i 1							
2	N									_	
-	14					E-		121120			
3 -					10			-		_	
						SII TV CI	AY, trace gravel;	4.0		-	
4 7 4.0						brown	A1, uace graver,	4.0		_	
	S-1		BRW-ASB	0.0	-		(BRW-ASB-012-71	001)		_	
5 5.0			012-70001			& MS/MS		5.0		-	
							Boring at 5.0'				
6	1	1					•			-	3
								$\neg$		-	
7 _]											
		1		- 1					111		
8					- 1					-	
] [		i					19				
9 _					1						
					1					-	
10											
DRILLING CO	).: Subsu	rface, Inc					BAKER REP.:	(b) (4)			

DRILLER:

## TEST BORING RECORD

BORING NO.: PRA7-Boring B

PROJECT: SO NO.:		3-BRE	ization at	Columbia	Gas		ion - Former Bre				
COORDINAT						BORING NO.: PRA7-Boring B NORTH:					
ELEVATION:		FACE:					PVC CASING:				
Rig: Geop	MC Liners	Casing	Augers	Core Barre		Date Progre (Ft.)		Weather		er	Depth to Water (Ft.)
Size (ID)	1-5/8" I.D.				5/2	21/97	0.0 - 5.0				
Length	4.0 feet									_=====	
Туре				_					-		
Hammer Wt.							2	2		10.70%	11 30 331
Fall							175-101-5				
Remarks: (B'	TEX, TPH,	PCB)			20						
		MPLE T					WELL	INFOR	MATIO	N	
1			A = Auger							Top	Bottom
	T = Shelb	•					Type		Diam.	Depth	Depth
	R = Air F		C = Core				25.25			(Ft.)	(Ft.)
	D = Denis	71-513.51 B.77	P = Piston								
		No Sam	ple	DID							
Depth (Ft.)	Sample Type &	Sample Rec.	Lab ID	PID		χ,	:1 D			ell .	Elevation
Dopin (Ft.)	No.	(Ft.,%)	Lab ID	(ppm)		v	isual Description		1000	llation	(Ft. MSL)
	110.	(11.,70)	-	-						tail	-
1		1				). 2		-		_	i.
								_		· -	
2 7	N						82	٦		_	3
	i						ő.			-	
3								_		-	
	İ									-	
4 4.0						lanara na ana ana		4.0			
	S-1		BRW-ASB	0.0		SILTY C	LAY, trace grave	1;		-	
5 5.0			013-70001		272	brown		5.0			
1			Allou-se			Bottom of	Boring at 5.0'				
6											
7 - 1					9		ŧ	-		_	
8 -	1		i					-		ş. <del></del>	
°-	1							-		_	
9 -		- 1						-	111	-	
^		1		1				$\dashv$		_	i i
10	I		-					$\dashv$		$\dashv$	
~ -				- 1	1			$\dashv$		$\dashv$	
DRILLING CO	· Subsu	rface, Inc	1			i	BAKER REP.:	(b) (4)			

## Bfa (K.a.)\* Baker Environmental

PROJECT:	Site	Character	ization at	Columbia	Gas '	Transmiss	ion - Former Br	ewster Co	ompresso	or Station	i.
SO NO.:	2260	3-BRE				BORING NO.: PRA8-Boring A					
COORDINA	TES: EAS	T:				NORTH:		0			
ELEVATIO	N: SUR	FACE:				TOP OF	PVC CASING:				
Rig: Ge	oprobe					7 7 5 100					Depth to
8	MC Liners	Casing	Augers	Core		Date	Progress (Ft.)		Weath	er	Water (Ft.)
Size (ID)	1-5/8" I.D.				5/2	21/97	0.0 - 5.0			****	-
Length	4.0 feet			-	$\top$						
Туре	-			_							
Hammer W	t										
Fall							150000				
Remarks: (	BTEX, TPH	, PCB)		320,0							
		MPLE T			1		WELL	INFOR	MATIO	N	
			A = Auger			0-314	471 22 22	1150		Top	Bottom
			W = Wash				Type		Diam.	Depth	Depth
	R = Air		C = Core							(Ft.)	(Ft.)
	D = Deni		P = Piston					- 0:			
		= No Sam	ple								7,518.27
	Sample	Sample		PID		200			1	ell	Elevation
Depth (Ft.)		Rec.	Lab ID	(ppm)		l v	isual Description	n		llation	(Ft. MSL)
	No.	(Ft.,%)							De	tail	
1							1			_	
2 —	N							-		-	
3 🚽								_		-	
4 ] 4.0	)							4.0		-	
	S-1		BRW-ASB	0.0		SILTY C	LAY, trace grave	el;		_	
5 5.0			014-70001			brown		5.0			
_					18507	Bottom of	Boring at 5.0'				
6 -								-		-	
7 -				į.				4		4	
8 _											
9 _				1				Ξ			
10 _											
DRILLING (	O.: Subsu	rface. Inc			1	- <del>1</del>	BAKER REP.:	(b) (4)			
DRILLER:	(b) (4)						BORING NO.:	PRA8-Bo	oring A	SHEE	T 1 OF 2

#### Sal(a) Baker Environmental

PROJECT:	Site (	Character	ization at	Columbia	Gas	Transmiss	ion - Former Bre	ewster Co	mpresso	or Station	
SO NO.:		3-BRE				BORING NO.: PRA8-Boring B					
COORDINAT		T:			NORTH:						
ELEVATION	: SURI	FACE:				TOP OF	PVC CASING:	J			
Rig: Geo	probe						T .				Depth to
	MC Liners	Casing	Augers	Core Barrel		Date	Progress (Ft.)		Weath	èr	Water (Ft.)
Size (ID)	1-5/8" I.D.		-		5/2	21/97	0.0 - 5.0				-
Length	4.0 feet		_	-							0/200
Туре									29 1912-101	3 1	
Hammer Wt.				-	$\perp$				112.		
Fall											
Remarks: (B	TEX, TPH,	, PCB)					<u></u>			150	
	SAN	MPLE TY	YPE				WELL	INFOR	MATIO	N	
	S = Split									Top	Bottom
1	T = Shelb						Type		Diam.	Depth	Depth
	R = Air F		C = Core							(Ft.)	(Ft.)
	D = Deni		P = Piston				22 23 Tall Com 30 et 61 67	5U5U5157166	1900-0-11		
		No Sam									
	Sample	Sample	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	PID					1	/ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		V	isual Description	n	FOR STATE OF THE STATE OF	llation	(Ft. MSL)
	No.	(Ft.,%)							De	tail	
1								_		_	
l 1 —								-		-	ł 1
2	N							=		_	1 1
-	14							10-11-11		_	
3								_		-	
-										-	
4 4.0								4.0		-	
	S-1		BRW-ASB	0.0	0.00	SILTY C	LAY, trace grave				
5 75.0			015-70001				MS/MSD)	5.0		-	
	=13134.5		7-7-		1		f Boring at 5.0'			_	
6								_			
								-			
7 _								-			
		- 1									
8		7									
1 4				1				<u> </u>			
9 _											
l						1		_			- 53
10								_		_	
	5 09 S					L		(b) (4)			
DRILLING CO		ırface, Inc	)				BAKER REP.:	(b) (4)			
DRILLER:	(b) (4)						BORING NO.:	PRA8-Be	oring B	SHEE	T 1 OF 2

DRILLER:

#### **TEST BORING RECORD**

SHEET 1 OF 2

BORING NO.: PRA9-Boring A

SO NO.:	2260	Character 3-BRE	ization at	Columbia		nission - Former B ING NO.:		ompressor		1
COORDINAT				1		NORTH:				
ELEVATION		FACE:				OF PVC CASING	: -			
	MC Liners	Casing	Augers	Core Barrel	Date	Progress (Ft.)		Weather		
Size (ID)	1-5/8" I.D.				5/22/97	0.0 - 5.0				
Length	4.0 feet							2000		
Type										
Hammer Wt.		-								
Fall									200702	
Remarks: Ta	ible 1			20-12-	5012-1100	1115 2311 311 41			-14	eant -
	SAN	MPLE TY	YPE			WEL	LINFOR	MATIO	N	<u> </u>
			A = Auger						Top	Bottom
	T = Shelb		W = Wash			Type		Diam.	Depth	Depth
	R = Air I		C = Core						(Ft.)	(Ft.)
	D = Deni		P = Piston							
		No Sam	ple	10					27/02/	
	Sample	Sample		PID				W	ell ell	Elevation
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		Visual Description	on	Insta	llation	(Ft. MSL)
	No.	(Ft.,%)						De	tail	
	S-1		BRW-ASB	0.0		Y CLAY, trace gra	vel;			
1 1.0			016-70001		brown	la .				
1.5	N						-			
225	S-2		BRW-ASB	0.0			_			
2.5			016-70002			Ð	_		_	
3				4	1		_			
4 - 4 4 0	N				-		_		_	
4 4.0	0.0						_			
5 5.0	S-3		BRW-ASB	0.0					_	
5 5.0			016-70003		D. II	CD :	5.0			
6				i	Bottor	n of Boring at 5.0'	_		_	Š.
°-					1		-		_	
7	1	1			1		-		_	8
´ -						20			_	£6
8							4		_	
~ -							_		=	
9							4		33	
									-	
10				1			4		-	
					1		-		-	
DRILLING CO	).: Subsu	rface, Inc			l de la constantina	BAKER REP.:	(b) (4)			
	(1.)	,				DIMENTAL	( <del>~) (~)</del>			246 166

DRILLER:

## TEST BORING RECORD

<b>PROJEC</b>	T:	Site	Character	ization at	Columbia	Gas	<b>Transmiss</b>	ion - Former Br	ewster Co	ompresso	or Station	1
SO NO.:		2260	3-BRE				BORING NO.: PRA10-Boring A					
		ES: EAS'	Т:		36		NORTH:					
ELEVAT	NOL	SUR	FACE:				TOP OF	PVC CASING:				
Rig:	Geor	probe				1						Depth to
-		MC	Casing	Augers	Core	1	Date	Progress		Weath	<b>a</b> =	Water
	14.	Liners	June	Langers	Barrel		Date	(Ft.)		Weath	CI	
Size (ID)		1-5/8" I.D.				5/	22/97	0.0 - 3.0	+	Mill and the second		(Ft.)
Length		4.0 feet				13/	2231	0.0 - 3.0				
Туре		4.0 1000		_		╁	104.4		+	- 115-		-
Hammer	Wt		-			╁		<del> </del>	+	- 175		
Fall	****					╁						
	: Ba	ckground (				_		<u> </u>				
		on Bround (	14010 1)									
		SAN	MPLE TY	PE				WELL	INFOR	MATIO	N	
		S = Split									Top	Bottom
		T = Shelb			(a))		1	Type		Diam.	Depth	Depth
		R = Air F		C = Core				-510		- Juli	(Ft.)	(Ft.)
		D = Denis		P = Piston							(2 6.)	(2 t.)
		N =	No Sam							-		
		Sample	Sample		PID					W	ell	Elevation
Depth (I	Ft.)	Type &	Rec.	Lab ID	(ppm)		l v	isual Description	n		llation	(Ft. MSL)
		No.	(Ft.,%)						-		tail	(2 (. 11102)
		N										
1	1.0								1.0		-	
							SILTY CI	LAY; brown;			-	
2	- [	S-1		BRW-	0.0			, ,	_		R	
				ASB018-							_	
3	3.0			70001					3.0		1	823
			- 1000				Bottom of	Boring at 3.0'	5.0		_	
4	- 1							8	-		-	
			ļ						-		-	
5			i			9					-	i
			1						_	111		
6		1							7		٦	
1		İ	ľ									
7					Š.		ĺ				٦	
		1								111	1859	
8	- 1	1							٦		_	
	- 1											
9	- 1	1		1								
										111		
10			- 1	-							7	
			1				<u></u>					
DRILLING	G CO	.: Subsur	rface, Inc				1	BAKER REP.:	(b) (4)			
DRILLER		(b) (4)						BORING NO.:	PRA10-B	Roring A	SHEE	T 1 OF 2
									I ICATO-D	WHIE A		1 1 01 2

# Braik(a)

SO NO.:	•		3-BRE	ization at	Columbia	Gas Transmission - Former Brewster Compressor Station BORING NO.: PRA10-Boring B					1
COORDIN	IAT				-13-3	NORTH:		110110	-Doing i		
ELEVATI	ON:		FACE:				PVC CASING:				
		robe MC Liners	Casing	Augers	Core Barrel	Date	Progress (Ft.)		Weath	er	Depth to Water (Ft.)
Size (ID)		1-5/8" I.D.				5/22/97	0.0 - 3.0				
Length	-	4.0 feet			-					Table 1	
Type Hammer V	<b>T</b> 74										
Fall	W L.					<u> </u>				-	
Remarks:	Bac	201000	Table 1)								
		SAN	APLE TY	/DF			WELL	DEOD	A TYO	NY.	
				A = Auger	22		WELL	INFOR	VIATIO	Top	Bottom
T = Shelby Tube W = Wash							Type		Diam.	Depth	Depth
	R = Air Rotary C = Core						-37-		- Aug.	(Ft.)	(Ft.)
		D = Denis	son F	P = Piston						(= -17	()
			No Sam	ple	- 12						
20 20 20		Sample	Sample		PID		H		W	'ell	Elevation
Depth (Ft	.)	Type &	Rec.	Lab ID	(ppm)	V	isual Description	n	-0.00 to 1.00	llation	(Ft. MSL)
	$\dashv$	No.	(Ft.,%)						De	tail	
1 1	.0	N						1.0		_	
1					-	SILTY	LAY; brown;	1.0		_	
2		S-1		BRW-	0.0	52277 6	DATT, OTOWII,	-		-	
				ASB019-				_		-	
3 3	.0			70001				3.0		-	180
_		7.577				Bottom of	Boring at 3.0'			_	
4 _						E .					9
	- 1					95 (		_			
5			1	9							
6								-		_	
~ -	-		1		ŀ					-	
7								⊢⊢		-	
			1		-					-	
8					1	li i					
		1	1				20				
9					1						
10	-	1		8				4		4	
10-						Đ.					
DRILLING	CO.		rface, Inc				BAKER REP.:	(b) (4)		-	-
DRILLER:		(b) (4)		1000		3	BORING NO.:	PRA10-B	oring B	SHEE	T 1 OF 2

DRILLER:

## **TEST BORING RECORD**

BORING NO.: PRA10-Boring C

PROJECT:	Site	Character	ization at	Columbia	Gas	Transmiss	ion - Former Brev	wster Co	mpresso	or Station	English the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control o	
SO NO.:		3-BRE				BORING NO.: PRA10-Boring C						
COORDINAT						NORTH:						
ELEVATION:	SURI	FACE:				TOP OF	PVC CASING:					
Rig: Geop	mc MC	Casing	I Assessed	Com	4	Dete		Π		IND POLAR ST	Depth to	
	Liners	Casing	Augers	Core Barrel		Date	Progress (Ft.)		Weath	er	Water (Ft.)	
Size (ID)	1-5/8" I.D.			-	5/2	22/97	0.0 - 3.0					
Length	4.0 feet		=								771-3410	
Туре				-								
Hammer Wt.		-		-							8504—815	
Fall						2010.70					100 mm	
Remarks: Ba	ckground (	Table 1)		-5550				(0)				
		MPLE TY					WELL	NFOR	MATIO			
	S = Split						-			Top	Bottom	
	T = Shelb						Type		Diam.	Depth	Depth	
	R = Air F		C = Core							(Ft.)	(Ft.)	
	D = Denis		P = Piston									
		No Sam	ple	- m								
Depth (Ft.)	Sample	Sample	T -1 7D	PID						'ell	Elevation	
Depth (Ft.)	Type &	Rec.	Lab ID	(ppm)		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	isual Description			llation	(Ft. MSL)	
	No.	(Ft.,%)		$\vdash$					De	tail		
1 1.0	IN									_		
1 - 1.0						CH TO CY	7777	1.0	111	_		
2	S-1	10	DDW	00	7	SILTYCI	LAY; brown;	-		_	8 5	
	2-1	1	BRW-	0.0		l,			111			
3 - 3.0	1	[	ASB020-							_		
3 - 3.0			70001			D. #	D :	3.0		_		
4 -			) S			Bottom of	Boring at 3.0'	_	111	_		
T —		1	i	Ī					111	_		
5					į.			1-		4		
7-1	i								111	_		
6								-		4		
~ H	- 1								111	$\dashv$		
7		1				9		-		4		
' <del>-  </del>	- 1							-	111	-		
8		1		18				$\dashv$	111	4		
~ H	1				- 1			_				
9 -								-	111	-		
´ -			1	1				-		_	1	
10		1			- 1			-		4		
	1			- 1				$\dashv$		$\dashv$		
ORILLING CO	.: Subsur	rface. Inc				1	BAKER REP.:	(b) (4)	احلسل			